

Please charge any fee deficiency or credit any overpayment to Deposit Account

No. 01-2300.

Respectfully submitted,


Douglas H. Goldhush
Registration No. 33,125

Customer No. 004372
ARENT FOX KINTNER PLOTKIN & KAHN, PLLC
1050 Connecticut Avenue, N.W.,
Suite 400
Washington, D.C. 20036-5339
Tel: (202) 857-6000
Fax: (202) 638-4810

DHG:scc

Enclosure: Marked-up Copy of Amended Claims

09931755-032001

MARKED-UP COPY OF AMENDED CLAIMS 4, 5, 7, 12, 14 AND 15

Atty. Docket No.: 108910-00042

4. (Amended) A formulation according to [claims 1-3] claim 1, wherein the compounds of formula (IA) are used in admixture with the following anionic surfactants:



wherein n can range between 4 and 12,



wherein M=H, NH₄, Na, Li, K and n can range between 2 and 5.

5. (Amended) A formulation according to [claims 1-4] claim 1, wherein the non ionic fluorinated surfactants added to the PTFE polymerization latex have the following structures:



wherein:

R_f is selected from the structures (a), (b), (c), (d), (e), (f) of claim 2;

L is a divalent organic group, a linking group between R_f and R_h, selected from: -CO-NR¹-, -CH₂(OCH₂CHR²)_a-O-, -CH₂(OCH₂CHR²)_b-O-CO-, -CH₂O- (CH₂)_c-CO-O-, -CH₂-CH₂-O-, -CH₂-CH₂-; wherein R¹ is -H or a C₁-C₄ alkyl; R² is -H or a C₁-C₂ alkyl; a, b are numbers from 0 to 6, preferably from 0 to 2; C is a number from 1 to 3;

R_h is a radical having a polyoxyalkylene structure selected from:

- (i) $-(\text{CH}_2\text{CH}_2\text{O})_q\text{CH}_2\text{CH}_2\text{Z}$, wherein: q is an integer from 5 to 70, preferably from 6 to 25; Z is selected from -OH, C₁-C₄ alkoxy;

- (ii) $-(\text{CH}_2\text{CH}_2\text{O})_r(\text{CH}_2\text{CH}(\text{CH}_3)\text{O})_s\text{CH}_2\text{CHR}^3\text{Z}$, wherein $r+s$ is an integer from 5 to 70, preferably from 10 to 50; the r/s ratio is in the range 0.1-10, preferably 0.5-5; R^3 is selected between $-\text{H}$ and $-\text{CH}_3$; Z is selected between $-\text{OH}$, $\text{C}_1\text{-C}_4$ alkoxy[;].

7. (Amended) A formulation according to [claims 1-6] claim 1, wherein the PTFE is modified with one or more comonomers containing at least one unsaturation of ethylene type in an amount up to 6% molar, preferably up to 1% molar.

12. (Amended) Dielectric films obtained from the formulation according to [claims 1-11] claim 1, by the deposition of the formulation on a substratum, subsequent film sintering at a temperature higher than the PTFE melting T and subsequent air-cooling.

14. (Amended) Dielectric films according to [claims 12-13] claim 12 having a thickness lower than 200 nm, preferably in the range 50 nm - 150 nm, a dielectric constant lower than 2.2, a dielectric strength higher than 4 MV/cm and a weight loss at 425°C in the range 0.0008 - 0.02%/min.

15. (Amended) Use of dielectric films according to [claims 12-14] claim 12 for the insulation of conductors in integrated circuits.